

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Please cancel claims 8 and 17 without prejudice to further prosecution.

Please amend claims 1, 13, and 19 as indicated below (material to be inserted is in **bold and underline**, material to be deleted is in ~~strikeout~~ or (if the deletion is of five or fewer consecutive characters or would be difficult to see) in double brackets []):

Listing of Claims:

1. (Currently Amended) A computer-implemented method for diagnosing a malfunction in a printer system using a computer system comprising a processor, the method comprising the steps of:

communicating a present description of one or more symptoms of the printer system malfunction to the processor;

correlating the one or more symptoms with known printer system malfunctions, wherein correlating the one or more symptoms includes comparing the present description of the one or more symptoms to a database relating symptoms to known printer system malfunctions;

Identifying a most appropriate malfunction that would produce the described symptoms; and

reporting the most appropriate malfunction, **where reporting includes electronically transmitting a report.**

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2. (Original) The method of claim 1, where the description of the one or more symptoms includes an error log recorded by the printer system.
3. (Original) The method of claim 2, where the printer system includes a printer input device, and the error log includes input device errors.
4. (Original) The method of claim 3, where the printer system includes a printer output device, and the error log includes output device errors.
5. (Original) The method of claim 1, where the description of one or more symptoms of the printer system malfunction is received from the printer system.
6. (Original) The method of claim 1, where the description of one or more symptoms of the printer system malfunction is received from the printer system operator.
7. (Original) The method of claim 1, where the step of communicating includes sending a query from the processor to the printer system and receiving descriptions of one or more symptoms of the printer system malfunction from the printer system.
8. (Canceled)
9. (Currently Amended) The method of claim [[8]] 1, where the report is electronically transmitted via a communications connection with a printer service facility.
10. (Original) The method of claim 9, where the report includes a service procedure recommendation.
11. (Original) The method of claim 10, where the service procedure is a part replacement.

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12. (Original) The method of claim 1, where the processor is accessible via an Internet connection.

13. (Currently Amended) A system for diagnosing a malfunction in a printer system, comprising:

a database relating descriptions of symptoms of printer system malfunctions to known printer system malfunctions; and

a processor configured to collect a present description of one or more symptoms of a present printer system malfunction, to compare the present description to the database relationships, to identify a most appropriate malfunction that would produce the symptoms described in the present description, and to report the most appropriate malfunction, wherein reporting the most appropriate malfunction includes electronically transmitting a report to a service center or service technician.

14. (Original) The system of claim 13, where the processor is directly or indirectly linked to the printer system.

15. (Previously Presented) The system of claim 14, where the printer system is configured to record an error log, and where collection of the present description includes downloading the error log from the printer system.

16. (Previously Presented) The system of claim 15, where comparing the present description to the database relationships includes comparing the error log to the database relationships.

17. (Canceled)

18. (Original) The system of claim 13, where reporting the most appropriate malfunction includes a service procedure recommendation.

19. (Currently Amended) A computer-implemented method of ~~enabling the user of a printer system to diagnose~~ diagnosing a malfunction of ~~[[the]] a~~ printer system using a processor, the method comprising the steps of:

communicating a description of one or more symptoms of the malfunction to the processor;

comparing the described symptoms to a database relating descriptions of symptoms to known printer system malfunctions;

Identifying the malfunction most likely to produce the described symptoms;
and

electronically reporting the most likely malfunction to ~~the user~~ a service center or service technician.

20. (Original) The computer-implemented method of claim 19, where the processor is directly or indirectly linked to the printer system, and the description of one or more symptoms of the malfunction is a printer system error log.